

Course Objectives/Course Outline
Spokane Community College

Course Title: Hybrid Safety Service and Repair

Prefix and Course Number: Auto 226

Course Learning Outcomes:

By the end of this course, a student should be able to:

- Demonstrate safe practices for working with compressed gases.
- Identify A/C systems components and their function in the refrigeration circuit.
- have an in-depth knowledge of performing A/C service and repair work.
- Demonstrate leak detection techniques and proper use of a leak detector

Course Outline:

- I. Heating and Air Conditioning
 - A. Demonstrate safe practices while working with A/C systems
 - B. Demonstrate proper refrigerant idea procedures
 - C. Demonstrate proper leak detector operation and techniques
 - E. Demonstrate systematic diagnosis and the six-step process
 - F. Successfully operate a refrigerant recover/recharging machine
 - G. Locate the leak detector TSB using TIS then perform a leak test
 - H. Evaluate proper A?C operation using the touch and feel procedure
 - I. Evaluate proper A/C operation by interpreting manifold gauge pressures.
 - J. Locate and verify the operation of the heating and cooling controls
 - K. Demonstrate the purpose of the automatic temperature control system
 - L. Retrieve auto A/C diagnostic codes form the vehicle